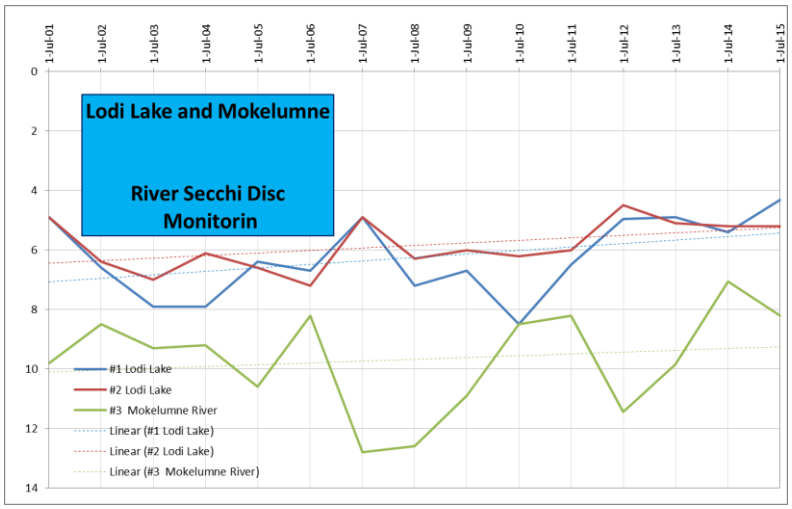
SECCHI DISC MONITORING

MEASURING WATER CLARITY: Each July since 2001, the City of Lodi has worked with volunteers to measure the clarity of the water in Lodi Lake and in the Mokelumne River, using a Secchi Disc. Three sites were chosen: Two in Lodi Lake and one in the Mokelumne River, just above Woodbridge Dam.

FINDINGS: Lodi Lake's visible water quality has not significantly changed since monitoring began in 2001. Conversely, the river has shown improved Secchi disk visibility. An explanation for this improved water clarity is unknown.



City of Lodi, Dept. of Public Works

Secchi Disc "Dip-in" Sampling, Lodi, California

Transparency:

Site:	#1 Lodi Lake Approx. water depth- 8.3' (Long.121°17 ' 30" Lat. 38° 9 ' 21 ") (North of Boathouse, Mid-Lake) Secchi reading			#2 Lodi Lake Approx. water depth- 8.1' (East End/ Center of Lake) Secchi reading			#3 Mokelumne River Approx. water depth- 18' (Main Channel, 500 yds. Upstream of WID dam) Secchi reading		
Date	Time	Depth meters	Depth Feet	Time	Depth meters	Depth Feet	Time	Depth meters	Depth Feet
11-Jul-01	13:50	1.50 M	4.9	14:10	1.50 M	4.9	13:55	3.00 M	9.8
11-Jul-02	15:00	2.00 M	6.6	15:00	1.95 M	6.4	15:00	2.60 M	8.5
11-Jul-03	11:00	2.40 M	7.9	11:15	2.15 M	7	10:45	2.85 M	9.3
9-Jul-04	11:30	2.40 M	7.9	11:20	1.85 M	6.1	11:42	2.80 M	9.2
8-Jul-05	12:25	1.95 M	6.4	12:40	2.00 M	6.6	12:24	3.25 M	10.6
14-Jul-06	11:45	2.05 M	6.7	11:50	2.20 M	7.2	11:35	2.50 M	8.2
13-Jul-07	11:35	1.50 M	4.9	11:40	1.50 M	4.9	11:20	3.90 M	12.8
17-Jul-08	12:25	2.20 M	7.2	12:30	1.95 M	6.3	13:00	3.85 M	12.6
24-Jul-09	13:35	2.05 M	6.7	13:44	1.80 M	6	13:00	3.30 M	10.9
15-Jul-10	11:20	2.60 M	8.5	11:35	1.90 M	6.2	12:00	2.60 M	8.5
15-Jul-11	12:05	2.00 M	6.5	12:15	1.80 M	6	12:25	2.50 M	8.2
14-Jul-12	12:05	1.51 M	4.95	11:55	1.38 M	4.5	12:20	3.49 M	11.45
19-Jul-13	12:09	1.50M	4.9	12:25	1.55M	5.09	12:42	3.00M	9.84
3-Jul-14	11:30	1.65M	5.41	11:20	1.60M	5.2	11:40	2.15M	7.05
13-Jul-15	11:45	1.30 M	4.3	11:59	1.60M	5.2	12:10	2.50M	8.2